

SOUND-INSULATED KITCHEN FAN VENTS KSK



2012

*Fresh air in
your house!*

SOUND-INSULATED KITCHEN FAN

Series VENTS KSK



Centrifugal kitchen fan in sound-insulated casing with air capacity up to **3500 m³/h**

■ Application

The fan is designed for ventilation of contaminated, grease-laden, humid and hot air with temperature up to 100°C in conditions of high air resistance in the system. This fan model fits for the following applications:

- kitchen exhaust ventilation systems;
- exhaust ventilation systems for removal of post-welding gases;
- industrial bakery ventilation systems.

■ Design description

The fan casing is made of galvanized steel plate and is internally insulated with 50 mm mineral wool layer. The swivel block of the impeller and motor provides easy access to the fan internals for easy and effective cleaning.



The intake and exhaust flange diameter match with standard ventilation air ducts. The flanges are equipped with a rubber sealing. The fan is installed in the mounting frames with integrated vibration connectors.

■ Electric motor

The fan is fitted with a reliable maintenance-free single-phase motor with short circuit rotor and a high-efficient steel centrifugal impeller with forward curved blades. The motor is equipped with integrated

thermal contacts with leaded outside terminals for connection to an external protection device. The impeller is mounted on the motor shaft and is balanced statically and dynamically. The motor has F class motor winding insulation and IP54 ingress protection rating.

■ Speed control

The fan has both step and smooth speed control options with a transformer or frequency speed controller. Several fans may be connected to one controller if the total power and operating current do not exceed the rated controller parameters.

■ Electric connection

The fan is designed for connection to round air ducts. The wall is fixed to wall with the mounting bracket MK-SKS (separate delivery). The fan is connected to power mains on the terminal box on the motor. The cable length must be sufficient with respect to the motor-impeller block movement.



Designation key:

Fan series	Spigot diameter	Motor	
VENTS KSK	150; 160; 200; 250	Poles	Phase
		4	E - single-phase D - three phase

Accessories



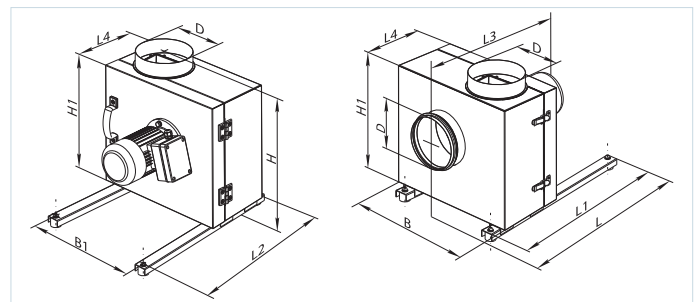
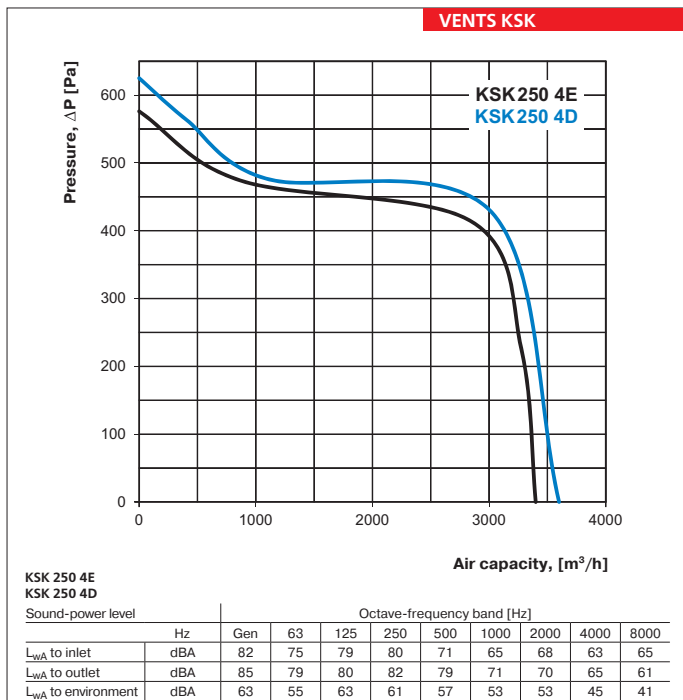
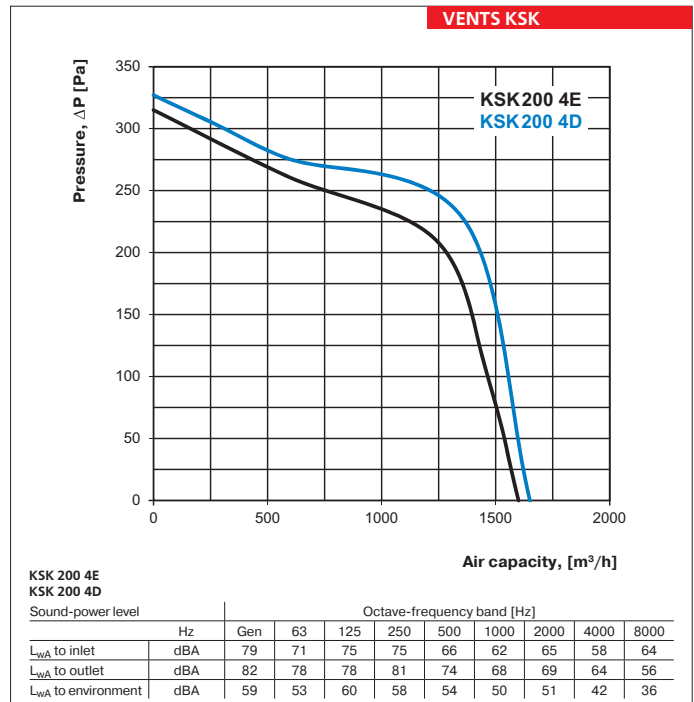
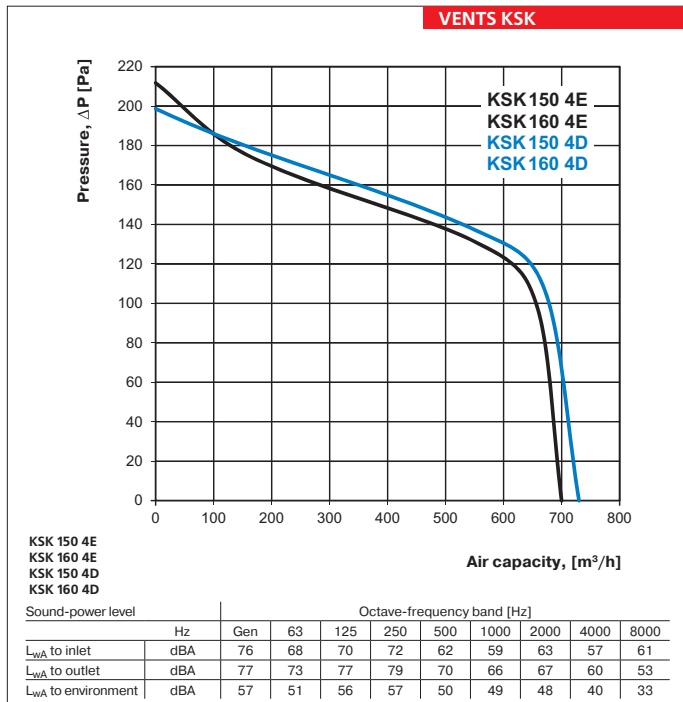
Fixing bracket KM-KSK

Sleeve N-KSK

Flexible connector VVH-KSK

Technical data:

	KSK 150 4E KSK 160 4E	KSK 150 4D KSK 160 4D	KSK 200 4E	KSK 200 4D	KSK 250 4E	KSK 250 4D
Voltage [V / 50 Hz]	1~ 230	3~ 380	1~ 230	3~ 380	1~ 230	3~ 380
Power [W]	180	180	550	750	1500	1500
Current [A]	1,7	0,6	6	2	11	3,4
Maximum air flow [m ³ /h]	700	730	1600	1650	3400	3500
RPM [min ⁻¹]	1450	1455	1475	1465	1500	1470
Noise level at 3 m [dBA]	41	41	45	45	51	51
Maximum operating temperature [°C]	-20...+100	-20...+100	-20...+100	-20...+100	-20...+100	-20...+100
Protection rating	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54



Fan overall dimensions:

Type	Dimensions [mm]									Mass [kg]	
	∅D	B	B1	H	H1	L	L1	L2	L3		L4
KSK 150 4E	150	410	330	540	365	525	500	470	475	205	17,0
KSK 150 4D	150	410	330	540	365	525	500	470	475	205	17,0
KSK 160 4E	160	410	330	540	365	525	500	470	475	205	17,0
KSK 160 4D	160	410	330	540	365	525	500	470	475	205	17,0
KSK 200 4E	200	485	365	600	425	625	600	570	515	235	25,0
KSK 200 4D	200	485	365	600	425	625	600	570	515	235	25,0
KSK 250 4E	250	575	435	665	505	700	675	645	620	285	40,0
KSK 250 4D	250	575	435	665	505	700	675	645	620	285	40,0

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Sound-insulated kitchen fan



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06/2012